

Claims

- 1) A dispenser for suspension from the rim of a toilet bowl, said dispenser including:
- a reservoir for containing a viscous liquid active substance;
 - a flow restrictor operable to limit the flow of said active substance from said reservoir, said flow restrictor having an inlet side and an outlet side,
- said dispenser being characterised in that application of toilet flushing water thereover creates a pumping action which operates to displace at least one discrete dose of said active substance through said flow restrictor.
- 2) A dispenser as claimed in claim 1 wherein said pumping action comprises a pressure differential within said dispenser to drive said active substance through said flow restrictor.
- 3) A dispenser as claimed in claim 1 or claim 2 wherein said pumping action operates to displace a volume of air through said flow restrictor from the outlet side thereof, which volume of air, in turn, displaces said at least dose of active substance through said flow restrictor from the inlet side thereof.
- 4) A dispenser as claimed in any one of claims 1 to 3 wherein said pumping action operates to reduce the surface tension of said active substance, in the region of said flow restrictor, for a time sufficient to allow said discrete dose to be released through said flow restrictor.

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- 5) A dispenser as claimed in any one of claims 1 to 4 wherein said dispenser is constructed and arranged so that, in its normal position of use, said active substance contacts the inlet side of said flow restrictor under gravity.
- 6) A dispenser as claimed in any one of claims 1 to 5 further including at least one fluid dispensing surface spaced from the outlet side of said flow restrictor from which components of said active substance can emanate.
- 7) A dispenser as claimed in claim 6 wherein said dispensing surface is positioned to receive active substance from said flow restrictor under gravity.
- 8) A dispenser as claimed in claim 6 or claim 7 wherein said dispensing surface is provided as one or more wall surfaces of a chamber positioned to receive active substance from said flow restrictor.
- 9) A dispenser as claimed in claim 8 wherein said chamber is formed, at least in part, from a porous material.
- 10) A dispenser as claimed in claim 8 or claim 9 wherein said chamber includes a substantially vertical peripheral wall and closing means at the bottom of said peripheral wall.
- 11) A dispenser as claimed in claim 10 wherein said peripheral wall is cylindrical in cross-section.
- 12) A dispenser as claimed in any one of claims 1 to 8 wherein said chamber is defined by a non-porous peripheral wall section in combination with a porous bottom surface.

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B¹

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Sub ¹³₁₃ ¹³₁₃

13) A dispenser as claimed in any one of the preceding claims further including venting means operable to maintain a void on the outlet side of said flow restrictor between flushes.

Sub ¹⁴₁₄ ¹⁴₁₄

14) A dispenser as claimed in any one of claims 8 to 13 further including ramp means constructed and arranged to direct water towards said chamber.

Sub ¹⁵₁₅ ¹⁵₁₅

15) A dispenser for suspension from the rim of a toilet bowl to dispense active substance into a toilet bowl, said dispenser including:

a body member;

a reservoir for active substance included within or mountable on said body member;

a dispensing surface positioned to receive active substance from said reservoir and, upon flushing, to release said active substance to flush water; and

release means operable to control the flow of active substance from said reservoir to said dispensing surface,

said dispenser being characterised in that said release means is operable to dispense at least one discrete dose of said active substance on to said dispensing surface upon flushing of said toilet.

16) A dispenser for suspension from the rim of a toilet bowl to dispense active substance into the bowl, said dispenser including

a reservoir for active substance;

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a dispensing surface positioned to receive active substance from said reservoir and to release said active substance to flush water when the toilet is flushed; and

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release means to control the transfer of said active substance from said reservoir to said dispensing surface,

said dispenser being characterised in that, in use, a void is maintained between said reservoir and said dispensing surface between flushes.

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17)

A dispenser as claimed in claim 13 or claim 14 wherein said dispensing surface is formed, at least in part, from a porous material.

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A dispenser as claimed in claim 17 wherein said porous material is shaped into a cylinder with one end closed.

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19)

A dispenser as claimed in claim 17 wherein said dispensing surface comprises a porous plate or mat positioned at the lower end of a peripheral non-porous wall section.

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20)

A dispenser for suspension from the rim of a toilet bowl to dispense active substance into the bowl when constructed, arranged and operable substantially as hereinbefore described with reference to, and as illustrated in, the accompanying drawings.

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